

```

graph TD
    subgraph "IMAGE READING APPARATUS 1"
        subgraph "CCD IMAGE SENSOR 3"
            CH1
            CH2
            CH3
        end
        AFE_5["AFE 5  
(MUX 7, ADC 9)"]
        subgraph "ASIC 10"
            AFE_CTRL_21["AFE CONTROL UNIT 21"]
            CCD_CTRL_19["CCD CONTROL UNIT 19"]
            CLK_GEN_17["CLOCK GENERATING UNIT 17"]
            CPU_13["CPU 13"]
            EEPROM_24["EEPROM 24"]
        end
        DSU_11["DATA SAMPLING CONTROL UNIT 11"]
        MCU_15["MEMORY CONTROL UNIT 15"]
        RAM_23["MEMORY (RAM) 23"]
    end

    CH1 --> AFE_5
    CH2 --> AFE_5
    CH3 --> AFE_5
    AFE_5 -- "PIXEL DATA" --> DSU_11
    AFE_CTRL_21 --> AFE_5
    DSU_11 -- "PIXEL DATA" --> MCU_15
    MCU_15 --> RAM_23
    MCU_15 -- "PIXEL DATA" --> IF_25
    CPU_13 <--> EEPROM_24
    CPU_13 <--> ASIC_10
    CLK_GEN_17 --> CCD_CTRL_19
    CCD_CTRL_19 --> CCD_3

```

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FIG. 2

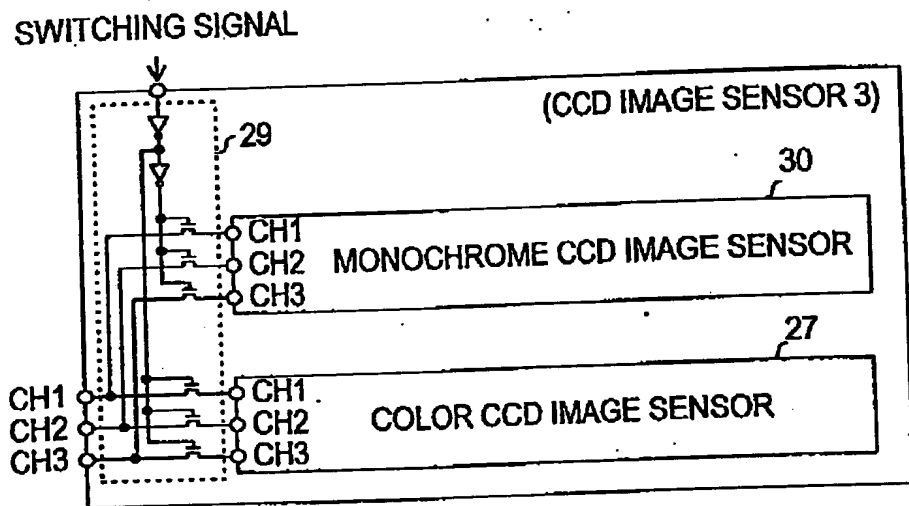


FIG. 3

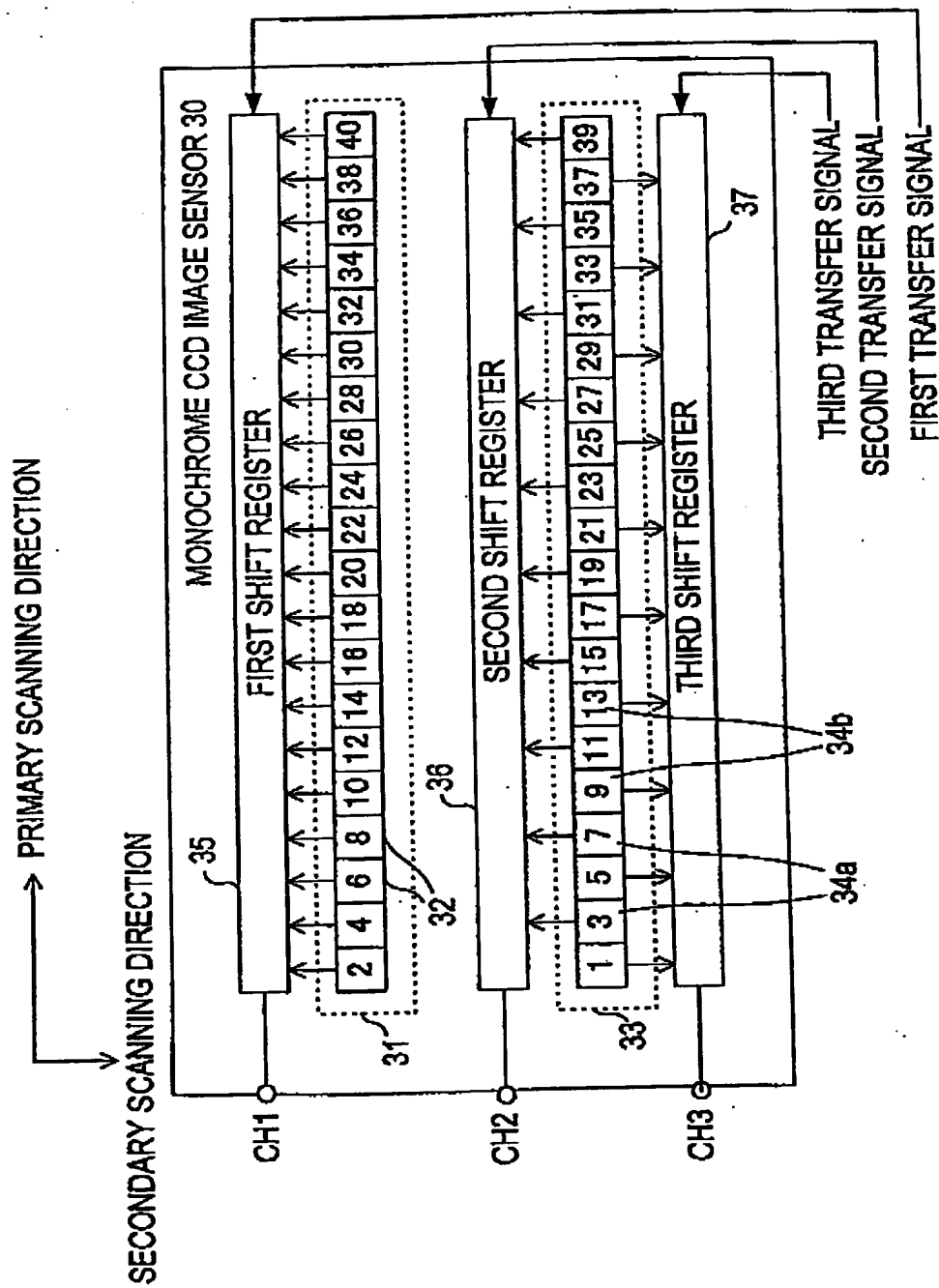


FIG. 4

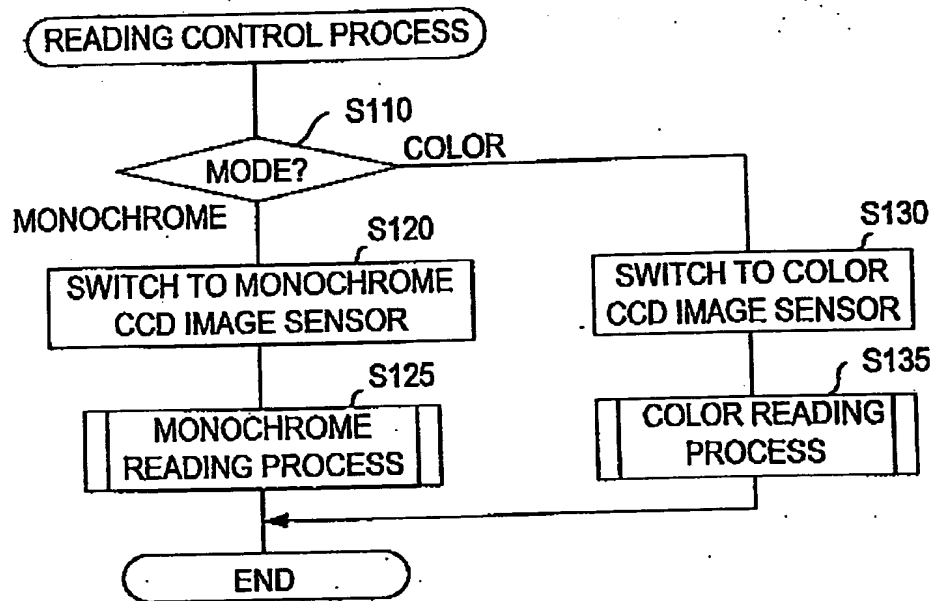


FIG. 5

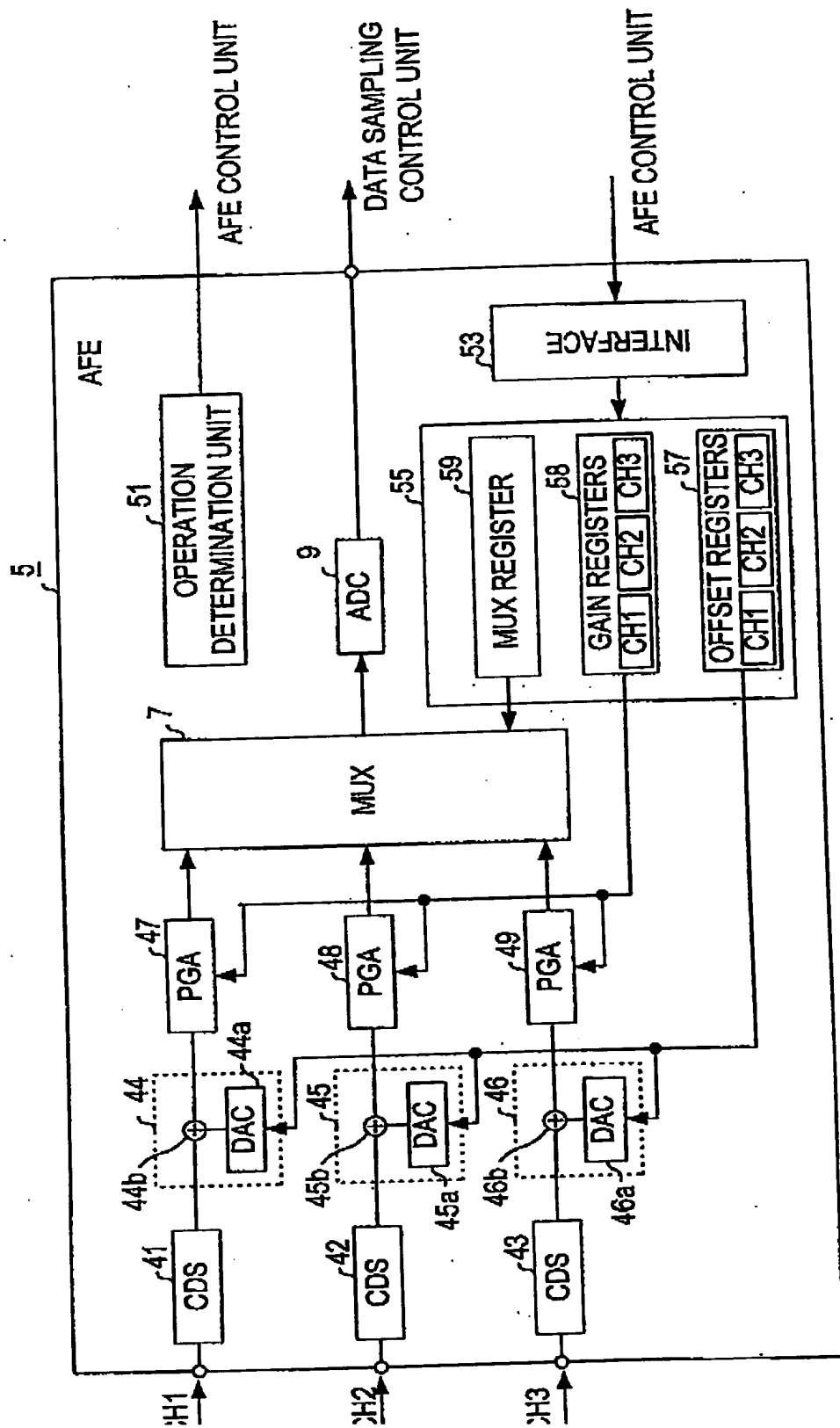


FIG. 6

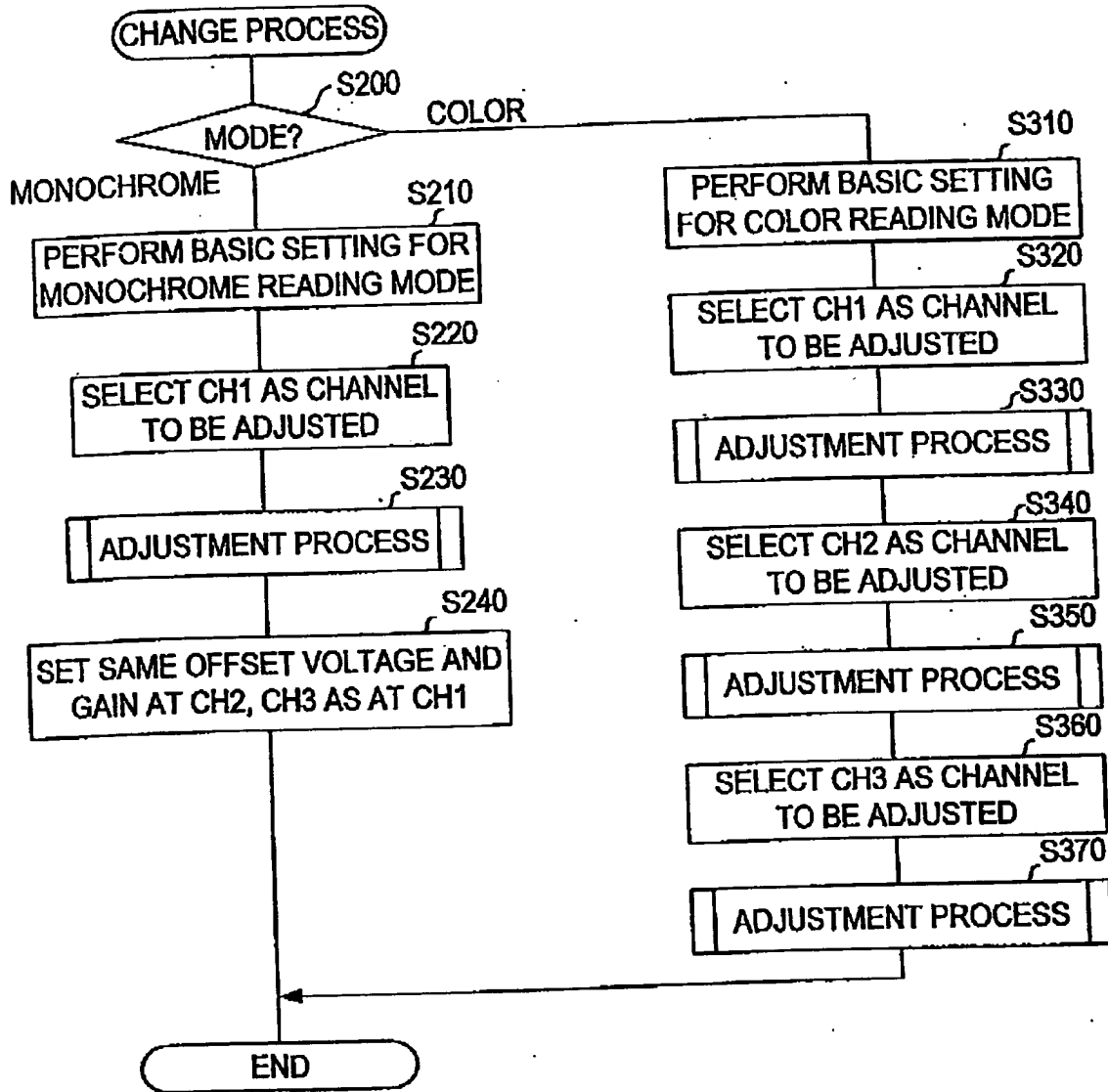


FIG. 7

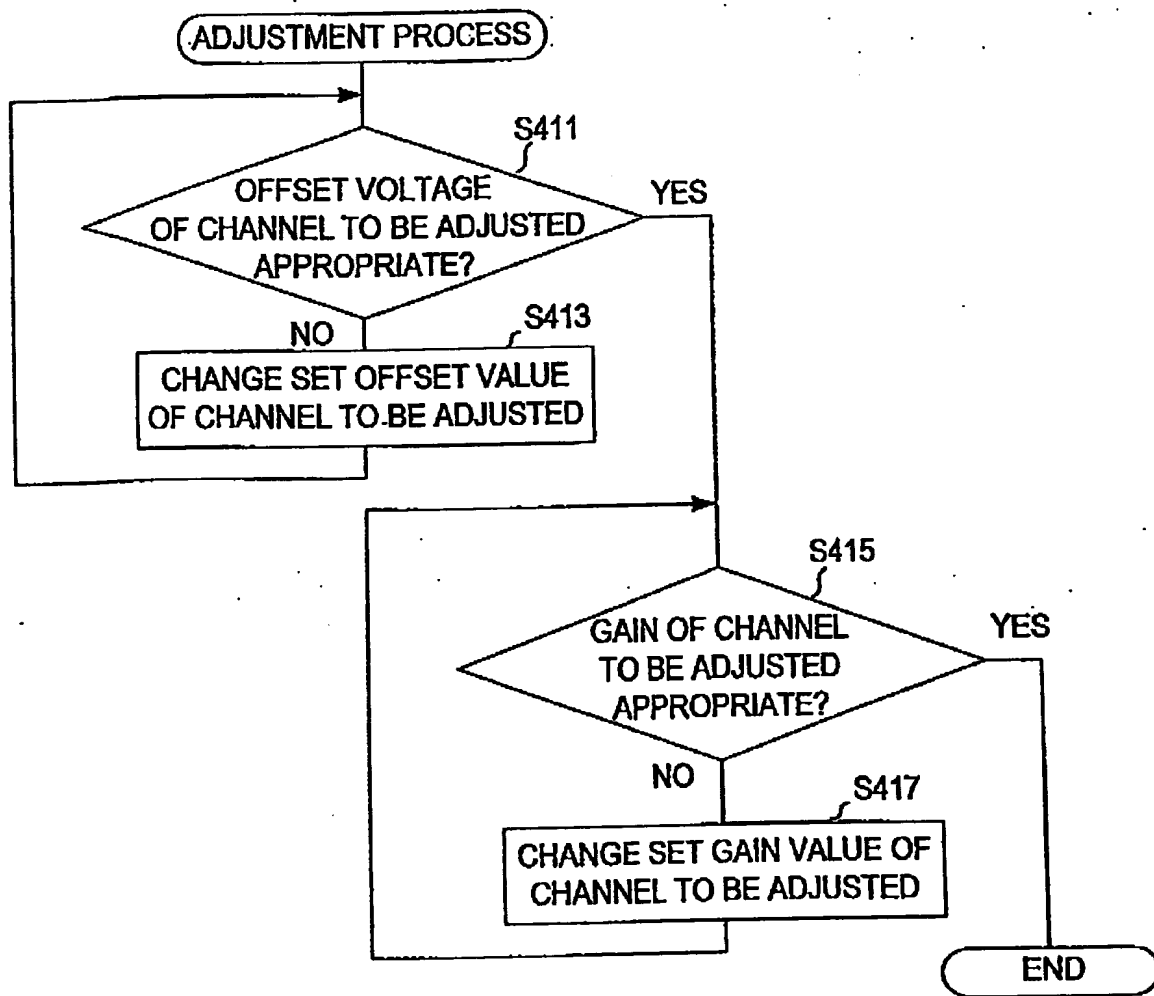


FIG.8

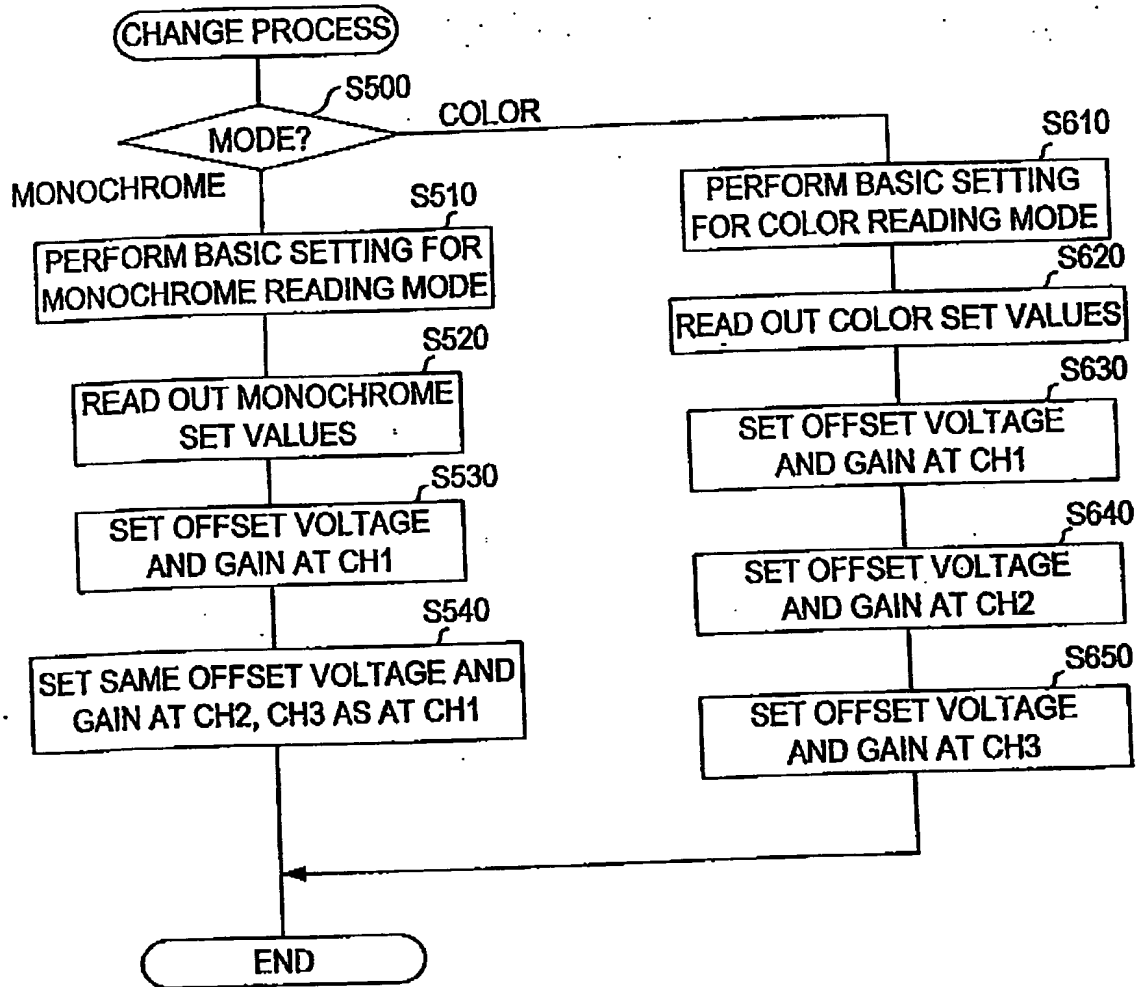




FIG. 9

(EEPROM 24)

MONOCHROME SET VALUES	
COLOR SET VALUES	
	SET VALUES FOR CH1
	SET VALUES FOR CH2
	SET VALUES FOR CH3